

CLAIMS

We claim:

1. A motor in combination with an optical disk drive apparatus for recording or reproducing an interchangeable optical disk, comprising:

5 a balancer mounted rotatably with a rotor, and having a hollow ring member containing therein a rotatable balancing member, and having a center axis positioned substantially concentrically with a rotational center axis of said motor,

wherein said balancer reduces vibration due to imbalance of said interchangeable optical disk loaded by a user, and

10 said interchangeable optical disk is driven for rotation at a frequency higher than the primary resonance frequency of wobbling vibrations of said interchangeable optical disk loaded by the user.

2. A motor in combination with an optical disk drive apparatus for recording or reproducing an interchangeable optical disk,

15 wherein a balancer having a hollow ring member containing therein a balancing member and having a center axis positioned substantially concentrically with a rotational center axis of said motor is mounted in integral fashion with a spindle shaft,

wherein said balancer reduces vibration due to imbalance of said interchangeable optical disk loaded by a user, and

20 said interchangeable optical disk is driven for rotation at a frequency higher than the primary resonance frequency of wobbling vibrations of said interchangeable optical disk loaded by the user.